

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Jung Pill Kim et al.

**Serial No.: 10/681,647**

**Confirmation No.: 6096**

Filed: October 8, 2003

**For: VOLTAGE TRIMMING CIRCUIT**

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Group Art Unit: 2816

Examiner: Hiep Nguyen

**Customer No.: 046798**

**Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**CERTIFICATE OF MAILING**  
**37 CFR 1.8**

I hereby certify that this correspondence is being deposited on March 16, 2005, with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

March 16, 2005  
Date

[Signature]  
Signature

**Dear Sir:**

## INFORMATION DISCLOSURE STATEMENT

The Applicant(s) and the Attorney who signs below, on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

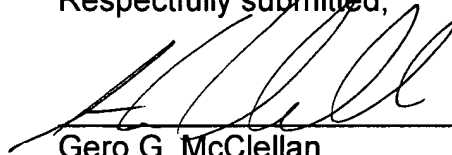
In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Applicants certify that all references submitted with this disclosure were first cited in a communication, which is enclosed, from a foreign patent office dated January 4, 2005, which is not more than three months prior to the filing of this Disclosure Statement.

Applicants believe that no fee is due for this submission. However, if the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/INFN/SZ0018/GGM.

Respectfully submitted,



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PTO/SB/08a (08-03)

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1

of 2

|                        |                 |
|------------------------|-----------------|
| Application Number     | 10/681,647      |
| Filing Date            | October 8, 2003 |
| First Named Inventor   | Jung Pill Kim   |
| Group Art Unit         | 2816            |
| Examiner Name          | Hiep Nguyen     |
| Attorney Docket Number | INFN/SZ0018     |
| Submission Date        | March 16, 2005  |

### U.S. PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|-----------------------|--------------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |
|                       | A1                       | US-2001/0017567 A1                       | 08-30-2001                     | Kawakubo                                           |                                                                                 |
|                       | A2                       | US-2001/0054760 A1                       | 12-27-2001                     | Ito et al.                                         |                                                                                 |
|                       | A3                       | US-6,496,027 B1                          | 12-17-2002                     | Sher et al.                                        |                                                                                 |
|                       | A4                       | US-6,455,952 B1                          | 09-24-2002                     | Wang                                               |                                                                                 |
|                       | A5                       | US-6,255,895 B1                          | 07-03-2001                     | Kim et al.                                         |                                                                                 |
|                       | A6                       | US-5,838,076                             | 11-17-1998                     | Zarrabian et al.                                   |                                                                                 |
|                       | A7                       | US-2001/0013769 A1                       | 08-16-2001                     | Saito                                              |                                                                                 |
|                       | A8                       | US-5,675,280                             | 10-07-1997                     | Nomura et al.                                      |                                                                                 |
|                       | A9                       | US-                                      |                                |                                                    |                                                                                 |
|                       | A10                      | US-                                      |                                |                                                    |                                                                                 |
|                       | A11                      | US-                                      |                                |                                                    |                                                                                 |
|                       | A12                      | US-                                      |                                |                                                    |                                                                                 |
|                       | A13                      | US-                                      |                                |                                                    |                                                                                 |
|                       | A14                      | US-                                      |                                |                                                    |                                                                                 |
|                       | A15                      | US-                                      |                                |                                                    |                                                                                 |

### FOREIGN PATENT DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Foreign Patent Document                  | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages or<br>Relevant Figures Appear | T <sup>6</sup> |
|-----------------------|--------------------------|------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
|                       |                          | Number-Kind Code <sup>2</sup> (if known) |                                |                                                    |                                                                                 |                |
|                       | B1                       | JP 3062734                               | 03-18-1991                     | NEC CORP                                           |                                                                                 |                |
|                       | B2                       | JP 2002 083928 A                         | 03-22-2002                     | FUJI ELECTRIC CO LTD                               |                                                                                 |                |
|                       | B3                       | EP 0 701 259 A                           | 03-13-1996                     | SAMSUNG ELECTRONICS<br>CO., LTD.                   |                                                                                 |                |
|                       | B4                       |                                          |                                |                                                    |                                                                                 |                |
|                       | B5                       |                                          |                                |                                                    |                                                                                 |                |

Examiner

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| Attorney Docket Number | INFN/SZ0018     |
| Submission Date        | March 16, 2005  |

Sheet 2 of 2

### NON PATENT LITERATURE DOCUMENTS

| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|-----------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
|                       | C1                       | PCT International Search Report dated January 4, 2005.                                                                                                                                                                                                         |                |
|                       | C2                       | PCT Written Opinion dated January 4, 2005.                                                                                                                                                                                                                     |                |
|                       | C3                       | R. TORRES-TORRES, R.S. MURPHY-ARTEAGA and S. DECOUTERE, <i>MOSFET Gate Resistance Determination</i> , Electronic Letters, 23 <sup>rd</sup> January 2003, Vol. 39, No. 2, pp. 248-250, IEE STEVENAGE, GB.                                                       |                |
|                       | C4                       | A. ORTIZ-CONDE et al., <i>Series Resistance and Effective Channel Length Extraction of n-channel MOSFET at 77 K</i> , Electronic Letters, 14 <sup>th</sup> April 1994, Vol. 30, No. 8, pp. 670-672, IEE STEVENAGE, GB.                                         |                |
|                       | C5                       |                                                                                                                                                                                                                                                                |                |
|                       | C6                       |                                                                                                                                                                                                                                                                |                |
|                       | C7                       |                                                                                                                                                                                                                                                                |                |
|                       | C8                       |                                                                                                                                                                                                                                                                |                |
|                       | C9                       |                                                                                                                                                                                                                                                                |                |
|                       | C10                      |                                                                                                                                                                                                                                                                |                |

Examiner

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